

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Withdrawn): A process for producing a molding comprising:
accreting primary particles to form microparticles,
wherein said microparticles have hydrophobic properties and said
microparticles comprise agglomerates or aggregates of from 0.2 to 100 μm ,
applying the microparticles to the inner surfaces of a mold,
molding a molding composition,
wherein the molding composition comprises at least one material comprising
organic compounds and said molding composition is in softened or molten
form, and
thermally shaping the molding composition in the mold, and
solidifying the molding composition to obtain the molding,
wherein not more than 90% of the diameter of at least 50% of the microparticles are
impressed into the surface of the molding which has not yet solidified,
said microparticles are firmly held by the molding to anchor said microparticles into
the molding after the molding is solidified,
said molding has elevations formed by the microparticles and
said molding has at least one surface having self-cleaning properties.
2. (Withdrawn): The process as claimed in claim 1, wherein

said thermally shaping is at least one process selected from the group consisting of blow molding, extrusion blow molding, extrusion stretch blow molding, injection blow molding, injection stretch blow molding, thermoforming, vacuum stretch forming, pressure stretch forming, and rotary thermoforming.

3. (Withdrawn): The process as claimed in claim 1, wherein said applying the microparticles is spraying the microparticles to the inner surfaces of the mold.

4. (Withdrawn): The process as claimed in claim 3, wherein said applying the microparticles is applying a suspension, which comprises microparticles and at least one solvent, into the inner surfaces of the mold and then evaporating the solvent.

5. (Withdrawn): The process as claimed in claim 3, wherein said applying the microparticles is applying an aerosol, which comprises microparticles and at least one propellant gas, to the inner surfaces of the mold.

6. (Withdrawn): The process as claimed in claim 1, wherein the microparticles are selected from the group consisting of particles of silicates, minerals, metal oxides, metal powders, silicas, pigments, polymers and mixtures thereof.

7. (Withdrawn): The process as claimed in claim 1, wherein the microparticles are hydrophobicized fumed silicas.

8. (Withdrawn): The process as claimed in claim 1, wherein said at least one material comprising organic compounds comprises at least one material selected from the group consisting of a natural rubber, a synthetic rubber, a vulcanized rubber, polynorbornene, poly-4-methyl-1-pentene, polyisobutene, acrylonitrile-butadiene-styrene terpolymers, polyvinylidene fluoride, polyalkylene terephthalates, polyacrylonitrile, polyether sulfones, polyesters, polystyrenes, cyclic polyalkenes,

aliphatic linear or branched polyalkenes, polypropylenes, polyethylenes, polyvinyl chloride, polyamides, polymethacrylates, polyacrylates, polycarbonates, a copolymer comprising at least one repeat unit selected from the group consisting of polynorbornene, poly-4-methyl-1-pentene, polyisobutene, acrylonitrile-butadiene-styrene terpolymers, polyvinylidene fluoride, polyalkylene terephthalates, polyacrylonitrile, polyether sulfones, polyesters, polystyrenes, cyclic polyalkenes, aliphatic linear or branched polyalkenes, polypropylenes, polyethylenes, polyvinyl chloride, polyamides, polymethacrylates, polyacrylates and polycarbonates, and mixtures thereof.

9. (Withdrawn): The process as claimed in claim 1, wherein the microparticles are pressed into the surface of the molding which has not yet solidified, and the surface of the molding which has not yet solidified is the surface of the molding composition in the molten form.

10. (Withdrawn): The process as claimed in claim 1, wherein the microparticles are pressed into the surface of the molding which has not yet solidified, and the surface of the molding which has not yet solidified is the surface of the molding composition in the softened form.

11. (Currently Amended): A molding comprising at least one surface having self-cleaning properties and surface structures with elevations formed by directly embedding microparticles into the molding, wherein the molding is produced by:

accreting primary particles to form microparticles,
wherein said microparticles have hydrophobic properties and said
microparticles comprise agglomerates or aggregates of from 0.2 to 100 μm ,
applying the microparticles to the inner surfaces of a mold,

molding a molding composition,
wherein the molding composition comprises at least one material comprising organic compounds and said molding composition is in softened or molten form, and
thermally shaping the molding composition in the mold, and
solidifying the molding composition to obtain the molding,
wherein not more than 90% of the diameter of at least 50% of the microparticles are impressed into the surface of the molding which has not yet solidified,
said microparticles are firmly held by the molding to anchor said microparticles into the molding after the molding is solidified,
said molding has elevations formed by the microparticles and
said molding has at least one surface having self-cleaning properties.

12. (Previously Presented): The molding as claimed in claim 11, wherein the elevations have an average height of from 20 nm to 25 μm and an average separation of from 20 nm to 25 μm .

13. (Previously Presented): The molding as claimed in claim 12, the elevations have an average height of from 50 nm to 4 μm and/or an average separation of from 50 nm to 4 μm .

14. (Previously Presented): The molding as claimed in claim 11, wherein the molding comprises microparticles and the microparticles are selected from the group consisting particles of silicates, minerals, metal oxides, metal powders, silicas, pigments, polymers and mixtures thereof.

15. (Previously Presented): The molding as claimed in claim 11, wherein

the molding comprises impressed particles and the impressed particles are anchored with from 10 to 90% of their average particle diameter within the surface of the molding.

16. (Previously Presented): The molding as claimed in claim 11, wherein the molding is a three-dimensional article selected from the group consisting of vessels, lampshades, buckets, bottles, tires, automotive tires, storage vessels, drums, dishes, measuring beakers, funnels, tanks, splash guard components, discharge aids, and housing parts.

17. (New): A molding comprising at least one surface having self-cleaning properties and surface structures with elevations, wherein the molding comprises at least one material comprising organic compounds and the molding is capable of being in softened or molten form and of being thermally shaped and wherein the surface structures are formed by hydrophobic microparticles embedded directly into the molding.

18. (New): The molding as claimed in claim 17, wherein the elevations have an average height of from 20 nm to 25 μm and an average separation of from 20 nm to 25 μm .

19. (New): The molding as claimed in claim 17, wherein the microparticles are selected from the group consisting particles of silicates, minerals, metal oxides, metal powders, silicas, pigments, polymers and mixtures thereof.

20. (New): The molding as claimed in claim 17, wherein 10 to 90% of the average particle diameter of the microparticles is within the surface of the molding.